

UNIVERSAL SERIAL BUS EXTENDER

ABSTRACT

A controller capable of being located in a peripheral device or host, is
5 capable of engaging in data communications with a host or peripheral device over a
power line. A power line interface provides a first data communications interface
over the power line. An interface controller connects peripheral device and host
using the first and a second data communications interface having a protocol. A
power supply supplies power associated with the second interface. The controller
10 appears to the peripheral device as the host or as the host to the peripheral. In
accordance with the protocol the power supply supplies power such that the
interface is fully compliant with the protocol.